**Honors Algebra 2 Chapter 5 Assessment Review Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Simplify the expression.**

\_\_\_\_ 1. 

**Find the inverse of the function. Then graph the function and its inverse.**

\_\_\_\_ 2. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 3. ; 

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 4. 

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

**Short Answer**

**Graph the function. Identify the domain and range of the function.**

 5. 

**Honors Algebra 2 Chapter 5 Assessment Review**

**Answer Section**

2. ANS: C PTS: 1 DIF: Level 1 REF: Algebra 2 Sec. 5.6

NAT: HSA-CED.A.4 | HSF-BF.B.4a KEY: inverse functions | finding inverses of linear functions

NOT: Example 2

3. ANS: B PTS: 1 DIF: Level 2 REF: Algebra 2 Sec. 5.6

NAT: HSA-CED.A.4 | HSF-BF.B.4a KEY: inverse functions | finding inverses of nonlinear functions

NOT: Example 3

4. ANS: C PTS: 1 DIF: Level 2 REF: Algebra 2 Sec. 5.6

NAT: HSA-CED.A.4 | HSF-BF.B.4a KEY: inverse functions | finding inverses of nonlinear functions

NOT: Example 3

**SHORT ANSWER**

5. ANS:



domain: , range: 

PTS: 1 DIF: Level 1 REF: Algebra 2 Sec. 5.3

NAT: HSF-IF.C.7b | HSF-BF.B.3

KEY: radical function | graphing radical functions | range | domain

NOT: Example 1